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The 39th nucleotide t is linked to biotin by a linker.

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      (1)..(25)
<400> 151
                                                                       25
gcaggactct cattacactg cctgc
<210>
       152
<211>
       25
<212>
      DNA
<213> Artificial
<220>
```

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```
APD01_3-revised_ST25.txt
<223> Synthetic sequence
<220><221><222>
       modified_base
       (25)..(25)
The 25th nucleotide t is linked to biotin by a linker.
<223>
<400> 152
                                                                           25
agcgcatcct cattacccta gcgct
<210> 153
<211> 25
<212> DNA
<213> Artificial
<220>
<223> Synthetic sequence
<220>
<221>
<222>
       modified_base
       (1)..(25)
<223>
       The 21st nucleotide t is linked to biotin by a linker.
<220>
<221>
       stem_loop
<222>
      (1)..(25)
<400> 153
                                                                           25
gcgcaatcct cattacccta tgcgc
<210> 154
<211> 25
<212> DNA
<213> Artificial
<220>
<223> Synthetic sequence
<220>
<221>
       modified_base
<222>
       (1)..(25)
<223>
       The 19th nucleotide t is linked to biotin by a linker.
<220>
<221>
       stem_loop
(1)..(25)
<222>
<400>
      154
gcagcatcct cattacccta gctgc
                                                                           25
       155
25
<210>
<211>
<212> DNA
<213> Artificial
<220>
<223>
       Synthetic sequence
```

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<220>
<221>
<222>
        modified_base
        (1)..(25)
<223>
        The 13rd nucleotide t is linked to biotin by a linker.
<220>
<221>
       stem_loop
<222>
       (1)..(25)
<400> 155
gcagcatcct cattacccta gctgc
                                                                                    25
<210> 156
<211> 25
<212> DNA
<213> Artificial
<220>
<223> Synthetic sequence
<220>
<221>
        modified_base
<222>
        (1)..(25)
<223> The 10th nucleotide t is linked to biotin by a linker.
<220>
<221>
        stem_loop
<222>
        (1)..(25)
<400> 156
                                                                                    25
gcagcatcct cattacccta gctgc
       157
<210>
<211>
       25
<212>
       DNA
<213> Artificial
<220>
<223> Synthetic sequence
<220>
<221>
<222>
        modified_base
        (1)..(25)
The first nucleotide g is linked to fluorescein by a linker. The last (25th) nucleotide c is linked to DABCYL (4-(4'-dimethylaminophenylazo)benzoic acid) by a linker.
<223>
<220>
<221>
       stem_loop
<222>
        (1)..(25)
<400> 157
                                                                                    25
gcagctagga gtaatgggat gctgc
       158
<210>
<211>
       15
```

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APD01_3-revised_ST25.txt
<212> DNA
<213> Artificial
<220>
<223> Synthetic sequence
<220>
      modified_base
<221>
<222>
      (11)..(11)
<223>
      The 11st nucleotide t is linked to biotin by a linker.
<400> 158
                                                                        15
atcccattac tccta
<210> 159
<211> 13
<212> DNA
<213> Artificial
<220>
<223> Synthetic sequence
<220>
<221>
      modified_base
<222>
       (11)..(11)
<223>
       The 11st nucleotide t is linked to biotin by a linker.
<400> 159
                                                                        13
atcccattac tcc
<210> 160
<211>
      15
<212> DNA
<213> Artificial
<220>
<223>
      Synthetic sequence
<400> 160
tagggtaatg aggat
                                                                        15
<210>
       161
<211>
      25
<212>
      DNA
<213>
      Artificial
<220>
<223> Synthetic sequence
<220>
<221>
<222>
<223>
       modified_base
       (1)...(25)
       The 23rd nucleotide t is linked to carboxyl group by a linker.
<220>
      stem_loop
<221>
<222> (1)..(25)
```

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```
<400> 161
                                                                                     25
gcagcatcct cattacccta gctgc
<210> 162
<211> 25
<212> DNA
<213> Artificial
<220>
<223> Synthetic sequence
<220>
<221> modified_base <222> (1)..(25)
<223> The 23rd nucleotide t is linked to amine group by a linker.
<220>
<221> stem_loop <222> (1)..(25)
<400> 162
                                                                                     25
gcagcatcct cattacccta gctgc
<210> 163
<211> 7
<212> PRT
<213> Artificial
<220>
<223> Synthetic sequence
<220>
<221> MISC_FEATURE
<222> (1)..(7)
<223> Protein Kinase C phosphorylation site
<400> 163
Lys Arg Thr Leu Arg Arg Cys 5
<210> 164
<211> 6
<212> PRT
<213> mammalian
<220>
<221> MISC_FEATURE
<222> (1)..(6)
<223> Protein Kinase C phosphorylation site
<400> 164
Lys Arg Thr Leu Arg Arg
1 5
```

```
<210> 165
<211> 25
<212> DNA
<213> Artificial
<220>
<223> Synthetic sequence
<220>
<221>
<222>
       modified_base
      (1)..(25)
The 23rd nucleotide t is linked to phosphorylated heptapeptide, KRPTLRRC, by a linker.
<223>
<220>
<221>
      stem_loop
<222>
      (1)...(25)
<400>
      165
gcagcatcct cattacccta gctgc
                                                                          25
<210> 166
<211> 7
<212> PRT
<213> Artificial
<220>
<223> Synthetic sequence
<220>
<221> MISC_FEATURE
<222>
      (3)..(3)
<223>
      The 3rd amino acid T is phosphorylated.
<400> 166
Lys Arg Thr Leu Arg Arg Cys
<210> 167
<211> 25
<212>
      DNA
<213> Artificial
<220>
<223> Synthetic sequence
<220>
<221> modified_base
<222> (1)..(25)
       The 23rd nucleotide t is linked to the heptapeptide, KRpTLRRC, by
<223>
       a linker.
<220>
<221> stem_loop
<222> (1)..(25)
```

<400> 167 gcagcatcct cattacccta gctgc

25